

Draft Mobile Source IAQR Documentation

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Mobile source inventories were produced for the IAQR by running NMIM. A paper for the IEIC in Clearwater, FL, is attached, which describes how NMIM works.

Table 1. Run summary for IAQR mobile source inventories.

<i>Run</i>	<i>O/P DB</i>	<i>Machine</i>	<i>Comments</i>
NC2001c18d9	NC2001c18d9	NMIMB	Start of IAQR NR Criteria Inventory.
RC2001c18d9			diesel rec marine only
NC2010c18d9	NC2010c18d9	NMIMA	IAQR
RC2010c18d9			
NC2015c18d9	NC2015c18d9	NMIMA	IAQR, States 20,29 incomplete
NC2015c18d9a		NMIMA	State 20, KS
NC2015c18d9b		NMIMA	State 29, MO
RC2015c18d9			
OC2001c19d9	OC2001c19d9	NMIMB	IAQR, wrong 1999 VMT, rerun
OC2010c19d9	OC2010c19d9	NMIMB	IAQR, separate RunSpecs for each state
OC2015c19d9	OC2015c19d9	NMIMB	IAQR, interpolation problem (excess zeroes), output DB erroneously deleted (thinking it had been rerun), separate RunSpecs for each state.
OC2007c19d9	OC2007c19d9	NMIMA	IAQR
OC2020c19d9	OC2020c19d9	NMIMA	IAQR
NC2007c19d9	NC2007c19d9	NMIMA	IAQR
RC2007c19d9	NC2007c19d9	NMIMA	IAQR
NC2020c19d9	NC2020c19d9	NMIMA	IAQR
RC2020c19d9	NC2020c19d9	NMIMA	IAQR
OC2001c20d10	OC2001c20d10	NMIMA	IAQR, Revised 2001 VMT, Missing 6 NY Counties
OC2001c20d10		NMIMA	6 NY Counties
S36missing.nrs			

NMIM Code:

c18 = NMIMSource20040226

c19 = NMIMSource20040310

c20 = NMIMSource20040317

NMIM County Database:

d9 = County20040229

d10 = County20040325

Run codes:

N = Nonroad except diesel recreational marine

R = Diesel recreational marine

O = Onroad

Output databases have the run name, except for recreational marine, which goes in the same database as the rest of the nonroad output.

Every run has associated with it a RunSpec and a batch file with the run name and extensions “nrs” (for NMIM RunSpec) and “bat,” respectively. RunSpecs and batch files are attached.

To complete the documentation requires the three code versions and two databases. The three code versions represent fixes to bugs that do not affect the output, so the three are equivalent in terms of the results they produce. The second database corrects VMT for 2001 (which was based on an incorrect 1999) and 2015 (which was interpolated in a way that resulted in a lot of small numbers getting rounded to zero).